

Converting Colors

XYZ(87.1795, 100.0000,
93.5351)

Have a look what the booklet for
XYZ(87.1795, 100.0000, 93.5351)
contains.

XYZ(84.6871, 95.0106, 92.4727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.6871, 95.0106,
92.4727)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FEB
RGB	234, 255, 235
RGB Percent	92%, 100%, 92%
CMY	0.0823, 0.0000, 0.0784
CMYK	0.08, 0.00, 0.08, 0.00
HSL	123°, 100%, 96%
HSV	123°, 8%, 100%
XYZ	84.6871, 95.0106, 92.4727
YIQ	246.4410, -6.0960, -10.6720

Conversions

Conversions Part 2

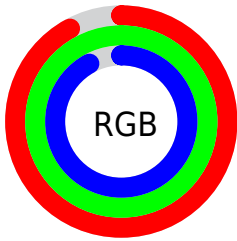
Format	Color
R_{YB}	234, 254, 255
Decimal	15400939
CIE _{Lab}	98.04, -10.41, 7.22
CIE _{LCh}	98, 12.668, 145.274
Yxy	95.0106, 0.3112, 0.3491
Android (android.graphics.Color)	4293591019 (0xFFEAFEB)
YUV	246.4410, -5.6404, -10.9108
Hunter-Lab	97.4734, -15.4935, 11.9831

Details

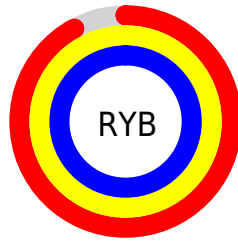
The XYZ color **84.6871, 95.0106, 92.4727** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5526, 87.2623, 105.9417**, and the grayscale version is **88.0017, 92.5847, 100.8247**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6909, 53.1078, 50.4378** is the 20% darker color. If you saturate the color by 10%, you get **73.6361, 89.6917, 74.8732**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

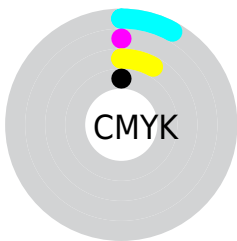
Distribution



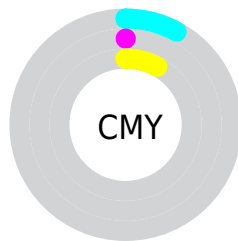
- Red (92%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6871, 95.0106, 92.4727 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 84.6871, 95.0106, 92.4727 by changing the saturation by 10% instead.


 84.6871, 95.0106,
92.4727

 84.6871, 95.0106,
92.4727


499.0914,
544.1989, 556.8184

 63.9045, 72.1438,
69.4481


138.8522,
154.2792, 152.7338

 46.8347, 53.2762,
50.6027

172.9654,
191.4499, 190.8073

 33.1124, 38.0233,
35.5180


212.2529,
234.1573, 234.7342

 22.3722, 26.0007,
23.7754

257.0800,
282.7857, 284.9330

 14.2488, 16.8242,
14.9565

307.8120,
337.7198, 341.8223

 8.3768, 10.1092,
8.6425

364.8143,

 4.3908, 5.4714,

399.3437, 405.8206

4.4152

428.4524,
468.0420, 477.3464

■ 1.9255, 2.5264,
1.8557

■ 0.5916, 0.8898,
0.4644

■ 84.6871, 95.0106,
92.4727

■ 84.6871, 95.0106,
92.4727

■ 73.6361, 89.6917,
74.8732

95.0500, 100.0000,
108.9000

■ 64.1977, 85.1510,
59.7475

■ 56.2973, 81.3525,
46.9861

■ 49.8534, 78.2566,
36.4696

■ 44.7768, 75.8203,
28.0682

■ 40.9689, 73.9956,
21.6387

■ 38.3175, 72.7282,
17.0203

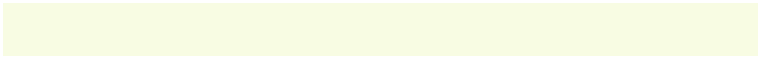
■ 36.6908, 71.9542,
14.0271

■ 35.9132, 71.5878,
12.4325

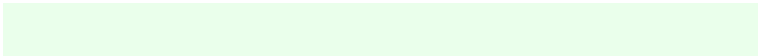
Harmonies

Analogous

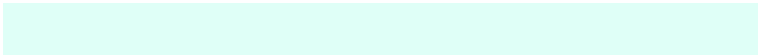
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3565, 95.0106, 86.4018



84.6871, 95.0106, 92.4727



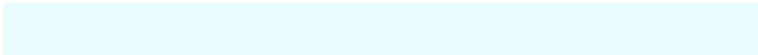
83.5237, 95.0106, 101.8116

Triad

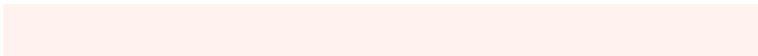
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6871, 95.0106, 92.4727



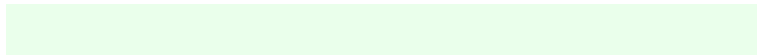
89.7307, 95.0106, 124.6850



96.7666, 95.0106, 95.1460

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84.6871, 95.0106, 92.4727



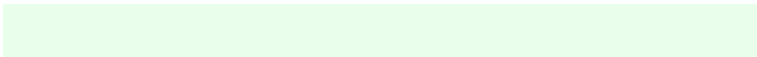
88.5526, 87.2623, 105.9417

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.4431, 95.0106, 105.1067



84.6871, 95.0106, 92.4727



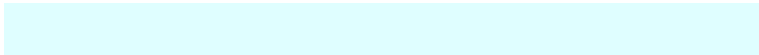
93.3185, 95.0106, 122.6060

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6871, 95.0106, 92.4727



86.3855, 95.0106, 120.7701



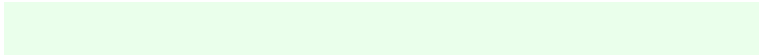
96.1654, 95.0106, 115.2642



94.3407, 95.0106, 87.8712

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



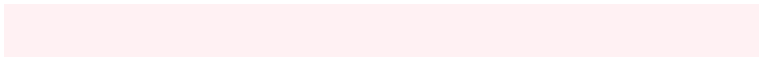
84.6871, 95.0106, 92.4727



83.7355, 95.0106, 108.8078



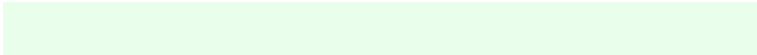
96.1654, 95.0106, 115.2642



97.2089, 95.0106, 98.2718

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.6879, 95.0110, 92.4742



92.4263, 98.7366, 104.7467



91.5945, 98.5881, 92.0450



19.8105, 21.1469, 22.4636



0.0000, 0.0000, 0.0000



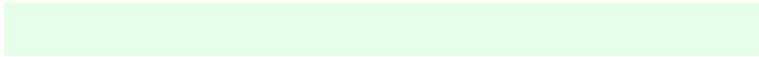
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6879, 95.0110, 92.4742



82.6164, 94.0138, 89.1824



86.2043, 95.6175, 100.4595



17.8066, 20.1822, 19.2847



18.7353, 37.3907, 6.4913



1.8360, 3.6453, 0.6941

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



88.5526, 87.2623, 105.9417



87.2529, 84.7177, 105.3391



86.9622, 86.6261, 97.5666



18.7531, 18.2845, 22.5829



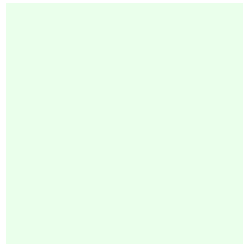
30.0066, 14.4919, 45.5469



2.9327, 1.4155, 4.4931

Previews

White Background



This preview shows how the XYZ color 84.6871, 95.0106, 92.4727 looks on a white background.

Color Contrast Check

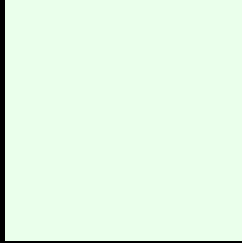
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 84.6871, 95.0106, 92.4727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

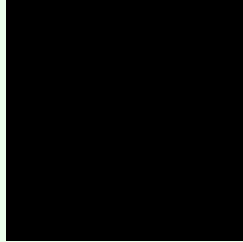
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

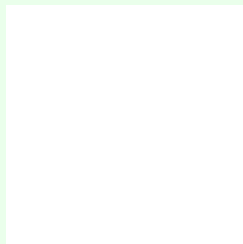
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.6871, 95.0106, 92.4727

Background



This preview shows how black text looks on a background with the XYZ color 84.6871, 95.0106, 92.4727.

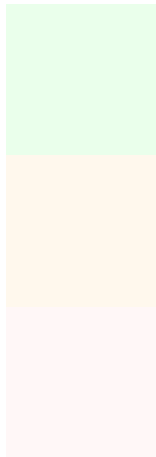


This preview shows how white text looks on a background with the XYZ color 84.6871, 95.0106,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.6871, 95.0106, 92.4727

Protanopia

90.0935, 94.5092, 93.6144

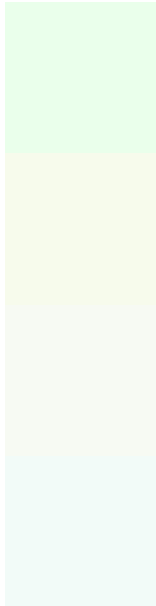
Deuteranopia

91.2893, 94.4969, 101.4240

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.6871, 95.0106, 92.4727

Protanomaly

87.9953, 94.8246, 93.0220

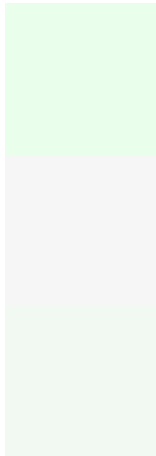
Deuteranomaly

88.7210, 94.6164, 98.3807

Tritanomaly

88.0584, 94.6489, 102.4348

Monochromacy



Original Color

84.6871, 95.0106, 92.4727

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.5206, 93.0394, 97.4027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6871, 95.0106, 92.4727 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 84.6871, 95.0106, 92.4727 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 255, 235) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 255, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6871, 95.0106, 92.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
255, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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